



Civil Engineering Section, Design Branch, Engineering Division

As part of the Omaha District's Engineering Division Design Branch, the civil engineering section provides engineering services for military and civil works projects.

Mission

The mission of the Civil Engineering Section is to provide high quality engineering design solutions to its military and the civil works customers in a timely and cost-effective manner.

Capabilities

Site Planning

- o Site plan development including layout of buildings, roads, parking areas, sidewalks, etc.

Landscape Architecture

- o Design of landscaping, hardscaping and site furnishings

Grading

- o Design of site grading using digital terrain modeling software

Storm Drainage

- o Design of storm drains, roof drains, culverts, detention ponds for various facilities types
- o Selection and design of appropriate best management practices to meet applicable stormwater quality requirements

Erosion and Sediment Control

- o Design of erosion and sediment control measures for various types of facilities
- o Development of Stormwater Pollution Prevention Plans in accordance with applicable NPDES permitting requirements

Pavements

- o Design of new pavements for roads, streets and parking areas
- o Inspection of existing pavements and development of rehabilitation designs

Roads and Streets

- o Design of new roads and streets

Railroads

- o Design of new railroad track
- o Inspection of existing railroad track and development of rehabilitation designs

Security Design

- o Design of perimeter security systems including fencing, vehicle barrier systems and entry control facilities



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Hydrant Fueling Systems

- o Design of jet fuel storage tank spill containment enclosures, truck fill stands, refueler truck parking and various supporting facilities for new and rehabilitated hydrant fuel systems

Recreational Facilities

- o Design of baseball/softball fields and trails for hiking, biking or horseback riding
- o Design of playgrounds for Child Development Centers



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